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APPLICATION NO	Ο.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/622,278	-	07/18/2003	Ga-pyo Nam	5649-1102	4592
20792	7590	05/04/2005		EXAMINER	
		SIBLEY & SAJO	LAM, DAVID		
PO BOX 3 RALEIGH		27627		ART UNIT	PAPER NUMBER
	•			2827	
				DATE MAILED: 05/04/200:	5

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
	10/622,278	NAM ET AL.	
Office Action Summary	Examiner	Art Unit	
	David Lam	2827	_
The MAILING DATE of this communication apperiod for Reply	ppears on the cover sheet w	vith the correspondence address	S
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	1.136(a). In no event, however, may a seply within the statutory minimum of the dwill apply and will expire SIX (6) MC ute, cause the application to become A	reply be timely filed irty (30) days will be considered timely. NTHS from the mailing date of this commun	nication.
Status			
1) Responsive to communication(s) filed on 3/1	8/05.		
	nis action is non-final.		
3) Since this application is in condition for allow		tters, prosecution as to the mer	rits is
closed in accordance with the practice under	·		
Disposition of Claims			
4) ⊠ Claim(s) <u>1-29</u> is/are pending in the application 4a) Of the above claim(s) is/are withdrest 5) ⊠ Claim(s) <u>16-28</u> is/are allowed. 6) ⊠ Claim(s) <u>1,2 and 29</u> is/are rejected. 7) ⊠ Claim(s) <u>3-15</u> is/are objected to. 8) □ Claim(s) are subject to restriction and	rawn from consideration.		·
Application Papers			
9)☐ The specification is objected to by the Examir	ner.		
10) The drawing(s) filed on is/are: a) □ ac	ccepted or b) objected to	by the Examiner.	
Applicant may not request that any objection to th	e drawing(s) be held in abeya	ance. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the corre	•	-,	
Priority under 35 U.S.C. § 119			
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document of the certified copies of the certified copi	nts have been received. nts have been received in iority documents have bee eau (PCT Rule 17.2(a)).	Application No n received in this National Stag	l e
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date	Paper No	Summary (PTO-413) o(s)/Mail Date Informal Patent Application (PTO-152))

DETAILED ACTION

Respond to Amendment

- 1. This office is in response to amendment file on 3/18/05.
 - Claim 29 is newly added.
 - Claims 1-29 are pending in the application.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-2, 29 are rejected under 35 U.S.C. 102(e) as being anticipated by Tedrow et al. (6,772,273).

Regarding to claims 1-2, Tedrow et al. discloses a flash memory comprising: a local row decoder (220, 290) configured to drive word lines (221) coupled to a bank (210) of a flash memory responsive to separate read and write control signals (291, 192, 294) provide thereto from outside the local row decoder circuit, wherein the flash memory support read-while-write capability, wherein the read operation in a first bank of the flash memory can be carried out simultaneous with a write operation in a second bank of the flash memory. *See Figs. 2-4; Cols.* 2-4.

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With regard to claim 29, Tedrow et al. disclose a flash memory comprising: first and second banks of flash memory (210), wherein the flash memory support read-while-write capability, wherein a read operation in the first bank of the flash memory can be carried out simultaneous with a write operation in the second bank of the flash memory. See Figs. 2-4; Cols. 2-4.

Allowable Subject Matter

Claims 3-15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record fails to teach the flash memory as noted above and further comprising a global row decoder circuit, among others as claimed in claim 3, coupled to the local row decoder circuit via the separated read and write control signals.

4. The following is an examiner's statement of reasons for allowance: Claims 16-28 are allowable over the prior art of record because none of the prior art whether taken singularly or in combination, especially when these limitations are considered within the specific combination claimed, to teach: a flash memory device comprising: local row decoders circuit, among others as claimed in independent claim 16, in respond to a separate write and read control signals from global row decoder circuits, to enable read operation in a first sector in one of a plurality of

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banks and enables a write operation in a second in another of the plurality of the of banks

simultaneous with the read operation.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to David Lam whose telephone number is 571-272-1782. The

examiner can normally be reached on 6:00 - 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Hoai Ho can be reached on 571-272-1777. The fax phone numbers for the

organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

D. Lam

May 2, 2005

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